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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,153 12/08/2003		Paul Steven Mullin	010121-9954-00	2172
23409 7	7590 05/23/2005		EXAMINER	
	EST & FRIEDRICH, LL	LP .	RO, BENTSU	
100 E WISCONSIN AVENUE MILWAUKEE, WI 53202			ART UNIT	PAPER NUMBER
	2837			
			DATE MAILED: 05/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		AL.				
	Application No.	Applicant(s)				
	10/730,153	MULLIN ET AL.				
Office Action Summary	Examiner	Art Unit				
·	Bentsu Ro	2837				
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, may a reply be tile. 1.136(a). In no event, however, howev	imely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 22	<u> April 2005</u> .					
2a) ☐ This action is FINAL. 2b) ☐ Th	This action is FINAL. 2b) This action is non-final.					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	153 O.G. 213.				
Disposition of Claims						
4) Claim(s) 2-14 and 16-76 is/are pending in the	e application.	·				
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>2-14 and 16-76</u> is/are allowed.						
6) Claim(s) is/are rejected.	•					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and	or election requirement.					
Application Papers						
9) The specification is objected to by the Examir	ner.					
10)⊠ The drawing(s) filed on <u>08 December 2003</u> is.) The drawing(s) filed on <u>08 December 2003</u> is/are: a) □ accepted or b) 図 objected to by the Examiner.					
Applicant may not request that any objection to th	e drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s) is ol	bjected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the B	Examiner. Note the attached Office	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents of the priority documents.	nts have been received.					
2. Certified copies of the priority documer	• • • • • • • • • • • • • • • • • • • •					
3. Copies of the certified copies of the pri	-	red in this National Stage				
application from the International Bure * See the attached detailed Office action for a list	, , , ,	ed				
Occ and attached detailed Office action for a lis	st of the certified copies flot receiv	.				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) [] I=1	W/DTO 442\				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) 🔲 Interview Summar Paper No(s)/Mail D					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06 Paper No(s)/Mail Date		Patent Application (PTO-152)				

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SECOND OFFICE ACTION --- AN EX PARTE QUAYLE ACTION

1. Claims 2-14 and 16-76 are allowable except the following amendments are required:

- Claim 36, line 1, change the dependency "claim 33" to --claim 35--. This change is required because the "pin" is defined in claim 35.
- Claim 51, line 6 defines "a single sensor" and line 19 also defines "a sensor". It
 appears to the examiner that the "a single sensor" and the "a sensor" are
 identical. In view of the foregoing, the subparagraph of "a sensor" (lines 19-21)
 becomes redundant and can be deleted.
- Claim 66, line 1, change the dependency "claim 12" to --claim 65--. This change
 is required because the "I-bar portion" and the "C-frame portion" are both defined
 in claim 65.
- 2. The drawings filed on 12/8/2003 appear to be informal because the reference numerals are hand-written. A new set of formal drawings is now required.
- 3. This application is in condition for allowance except for the following formal matters:

see paragraphs 1 and 2 above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

4. Any inquiry concerning this communication should be directed to Bentsu Ro at telephone number 571 272-2072.

Bentsu Ro Senior Examiner

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